

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052615

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07F9/09 C07F9/11 C07F9/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 034 023 A (HARDY, SR. ET AL) 5 July 1977 (1977-07-05) examples 1,2 -----	11
Y	DE 566 514 C (I. G. FARBENINDUSTRIE AKT.-GES) 17 December 1932 (1932-12-17) example 1 -----	1-6,9,10
Y	US 2 759 962 A (HENRYK ZENFTMAN ET AL) 21 August 1956 (1956-08-21) example 1 -----	1
X	US 2 759 962 A (HENRYK ZENFTMAN ET AL) 21 August 1956 (1956-08-21) example 1 -----	11
X	WO 96/05208 A (FMC CORP UK LTD ;HILL JONATHAN SIMON (GB)) 22 February 1996 (1996-02-22) page 16, line 16 - line 25; examples 1-21,24,27-41 ----- -/-	11-13

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

21 February 2005

04.03.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Richter, H

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052615

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 931 367 A (WORSTER DON KEITH ET AL) 6 January 1976 (1976-01-06) column 4, line 66 - line 68; example 1 -----	1-6,9,10
Y	DE 11 40 920 B (UNION CARBIDE CORP) 13 December 1962 (1962-12-13) example 1 -----	1-6,9,10

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/052615

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10; partly: 11

Process to prepare alkyl phenyl phosphates  
---

2. claims: 12-13; partly: 11

Known alkyl phenyl phosphates and use thereof  
---

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/052615

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 4034023	A	05-07-1977	NONE			
DE 566514	C	17-12-1932	NONE			
US 2759962	A	21-08-1956	BE CH DE FR GB NL	503349 A 297019 A 906808 C 1037475 A 699080 A 78218 C		15-03-1954 18-03-1954 17-09-1953 28-10-1953
WO 9605208	A	22-02-1996	AU DE DE EP WO JP US	3186695 A 69513987 D1 69513987 T2 0775147 A1 9605208 A1 10504301 T 6075158 A		07-03-1996 20-01-2000 05-10-2000 28-05-1997 22-02-1996 28-04-1998 13-06-2000
US 3931367	A	06-01-1976	NONE			
DE 1140920	B	13-12-1962	FR GB	1182115 A 818048 A		23-06-1959 12-08-1959